

Dry All

Full Range of HVAC&R Line Products



Filter Driers for Bus Air Conditioning & Truck Refrigeration Systems

Introduction

'Dry All' offers a wide range of Filter Driers designed specifically for Bus Air Conditioning and Truck Refrigeration Systems, offering high-quality, reliable, and efficient solutions to meet the demanding requirements of commercial vehicle climate control for new as well as service units.

Dry All Filter Driers are engineered with high level precision technology and has undergone rigorous testing to ensure optimal performance and longevity. With a focus on manufacturing superior air conditioning and refrigeration systems, our products are the perfect choice for bus air-conditioner and truck operators seeking unmatched cooling efficiency and equipment protection.

Following are the advantages of Dry All Filter Driers and reason for their diverse applications, proving why they are the ideal choice for your commercial vehicle's climate control needs.

Key Features

- 1. High Filtration Capacity:** Dry All Filter Driers are engineered with advanced filtration design to give filtration upto 20 microns
- 2. High Adsorption Capacity:** Dry All Filter Driers are engineered with advanced desiccants, providing a high adsorption capacity for moisture and acids. This ensures maximum protection against corrosion and component damage, increasing the overall lifespan of the air conditioning and refrigeration systems
- 3. Solid Core Design:** Dry All filter drier's solid core construction enhances reliability and durability, making it resistant to vibrations and pressure fluctuations commonly experienced in bus and truck operations. This robust design ensures consistent performance even in challenging environments.
- 4. Low-Pressure Drop:** Dry All Filter Driers are designed to have minimal pressure drop across the system, optimizing the overall efficiency of the air conditioning and refrigeration systems. This feature results in efficient working of the system and reduced operating costs for the vehicle owners.
- 5. Easy Installation:** The Filter Drier's user-friendly design and standardized fittings make installation quick and hassle-free. With clear instructions provided, mechanics can seamlessly integrate the filter drier into the existing system, minimizing downtime during maintenance or replacements.
- 6. Visual Indication:** Many of Dry All Filter Driers are equipped with visual indicators to help technicians identify when it's time for replacement. This feature ensures timely maintenance, maximizing the effectiveness of the filter drier and preventing potential system malfunctions.

- 7. Wide Temperature Range:** Our Filter Driers are designed to perform optimally across a broad temperature range, ensuring reliable operation in both hot and cold climates. This adaptability makes them suitable for various geographic regions and seasonal conditions.
- 8. Corrosion-Resistant Coating:** To enhance longevity, Dry All Filter Driers come with a corrosion-resistant powder coating paint after several processes that protects the housing from environmental exposure and chemical reactions, further contributing to the product's durability.
- 9. Compliance with Industry Standards:** Dry All Filter Driers are manufactured in adherence to stringent industry standards and regulations, ensuring that they meet or exceed safety and performance requirements. This compliance provides customers with peace of mind regarding the quality and reliability of our products. All Filter Driers are UL certified, Reach and Rosh compliant.
- 10. Customization Options:** We understand that different bus and truck models have unique requirements. Dry All offers customization options for our Filter Driers, allowing customers to select the most suitable size and configuration to match their specific needs.
- 11. Leak Detection Technology:** Dry All automotive driers can be made available with Fluorescent leak detection technology from Spectroline USA.
- 12. Expert Support:** Our team of technical experts is always available to provide support and guidance on selecting the right Filter Drier for a particular application. Whether it's product recommendations, installation assistance, or troubleshooting, our dedicated support team ensures a smooth experience for our valued customers.

Advantages

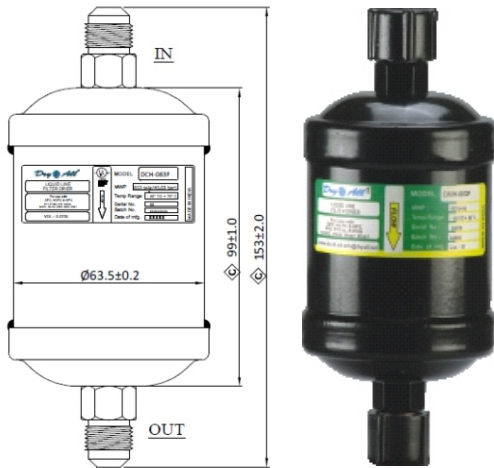
- 1. Moisture and Contaminant Removal:** Our Dry All Filter Driers are specifically designed to effectively eliminate moisture, acids, and other contaminants from the refrigerant. By preventing these impurities from circulating through the system, we safeguard critical components from corrosion and wear, thereby extending the life of the air conditioning and refrigeration systems.
- 2. Improved System Efficiency:** With a clean and dry refrigerant circuit, our Filter Driers optimize the heat transfer process, resulting in enhanced system efficiency. Reduced moisture levels prevent ice formation on evaporator coils, ensuring consistent cooling performance and maximizing energy utilization.
- 3. Comprehensive Protection:** The Dry All Filter Drier acts as a robust safeguard against potential system breakdowns caused by clogged expansion valves, blocked tubes, or damaged compressor internals. By maintaining a clean and moisture-free refrigerant flow, our Filter Driers minimize the risk of costly repairs, downtime, and operational disruptions.

- 4. Compact and Space-Saving Design:** Designed to accommodate space restrictions often encountered in bus and truck installations, our Filter Drier features a compact and efficient design, ensuring easy integration into the existing climate control system.
- 5. Wide Compatibility:** Our Dry All Filter Driers are available in various sizes and configurations, making them suitable for a wide range of bus air conditioning and truck refrigeration systems. From small buses to heavy-duty trucks, our products cater to diverse vehicle models and applications.

Applications

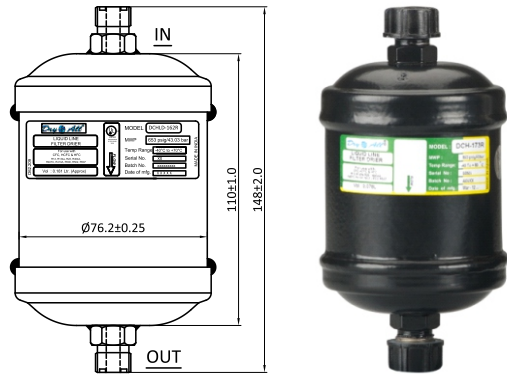
- 1. Commercial Buses:** Whether it's a city transit bus, intercity coach, or luxury tour bus, Dry All Filter Driers play a crucial role in maintaining efficient and reliable air conditioning systems. They keep passengers comfortable during long journeys and help ensure the driver's well-being, promoting safer and more enjoyable travel experiences.
- 2. Truck Refrigeration Units:** Transporting perishable goods demands consistent and precise refrigeration. Dry All Filter Driers provides the necessary protection for truck refrigeration systems, preserving the quality and integrity of transported products, such as food, pharmaceuticals, and other temperature-sensitive items.
- 3. Specialty Vehicles:** Dry All Filter Driers are equally suitable for other specialty vehicles like mobile medical units, armored vehicles, and mobile laboratories, where a stable climate control system is essential for the proper functioning of equipment and ensuring a comfortable environment for occupants.
- 4. Refrigerated Vans:** Whatever the size of the commercial refrigerated vans involved in cold chain logistics, Dry All Filter Driers are indispensable part of the system. Refrigerated vans equipped with our products maintain consistent temperatures, safeguarding perishable goods during transportation and storage.

DCH 083F



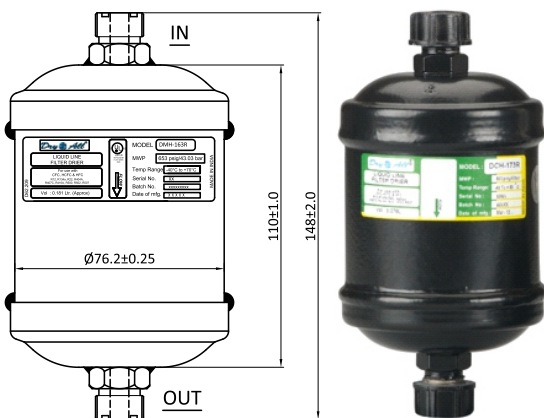
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DCHLD 162R



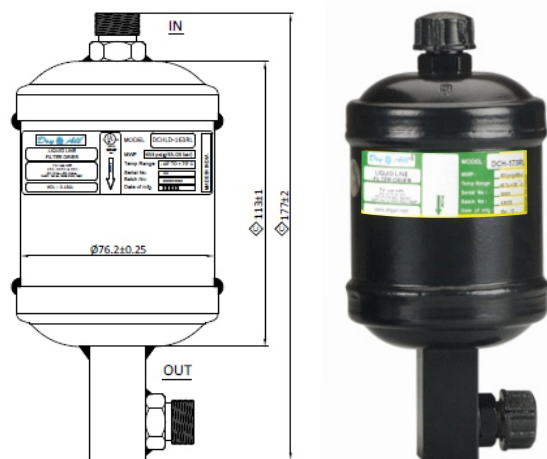
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DCHLD 163R



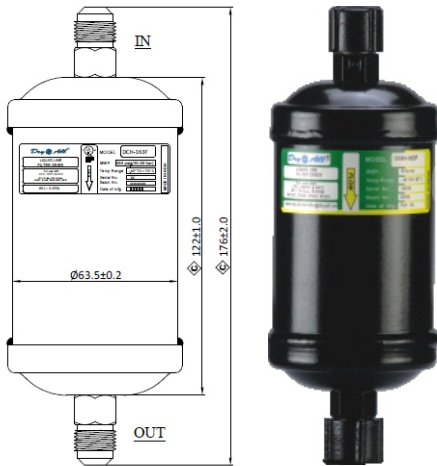
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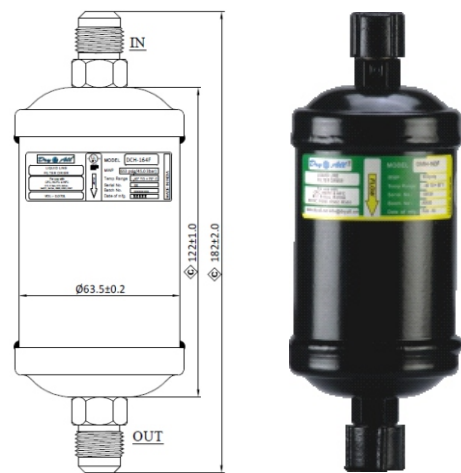
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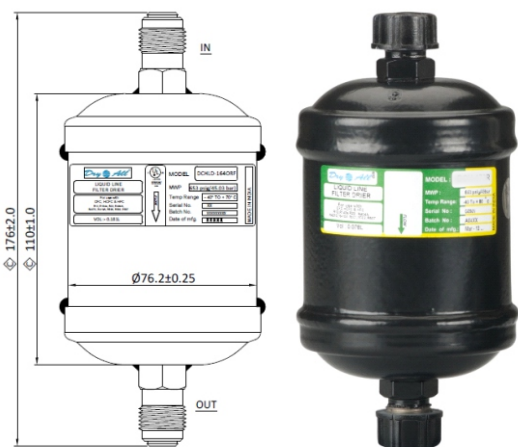
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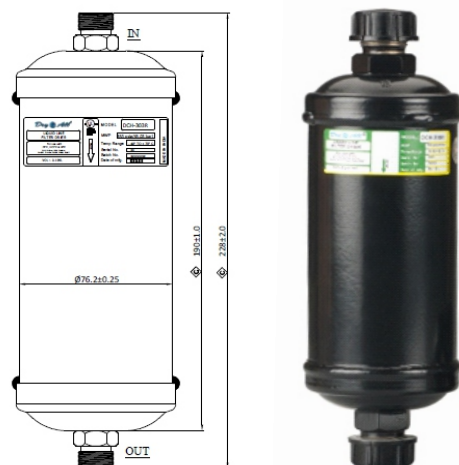
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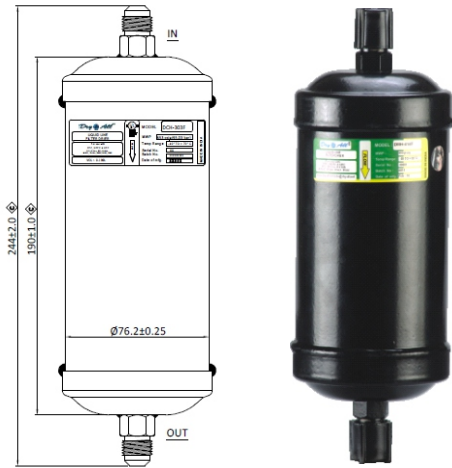
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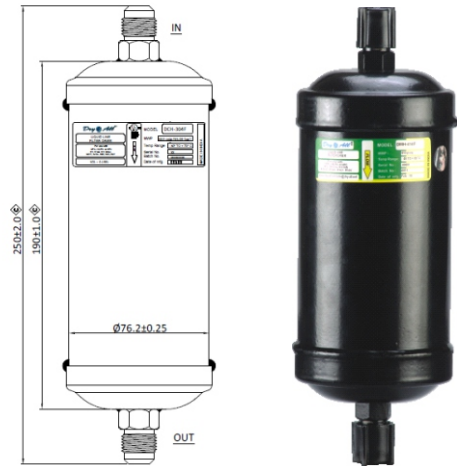
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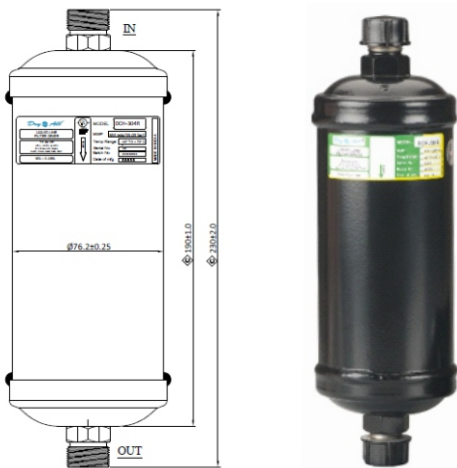
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DCH 304F



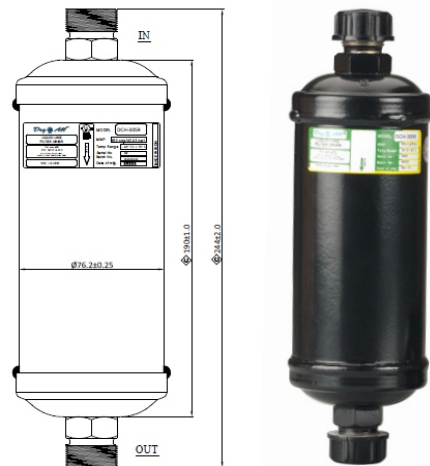
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DCH 304R



Drawing / Photo No.: 11

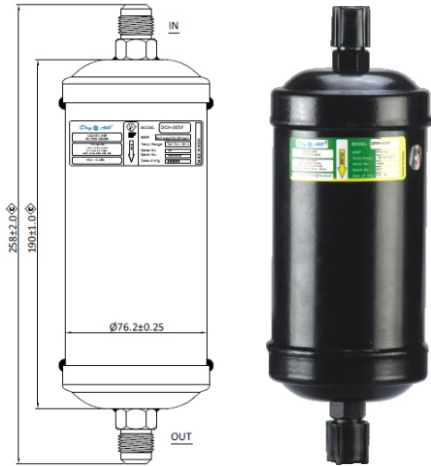
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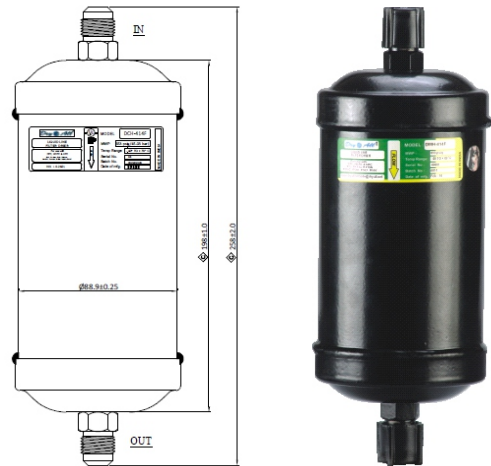
Filter Driers for Bus Air Conditioning & Truck Refrigeration Systems

DCH 305F



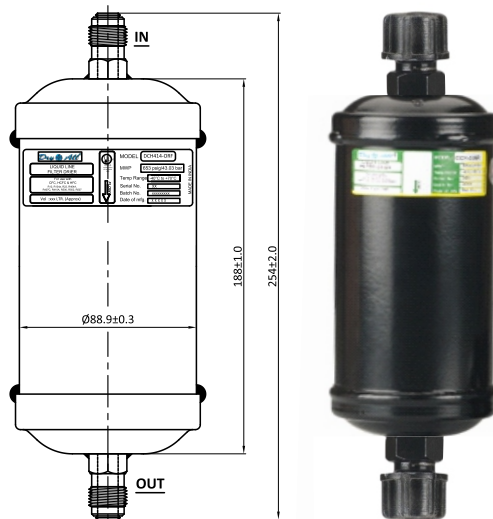
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DCH 414F



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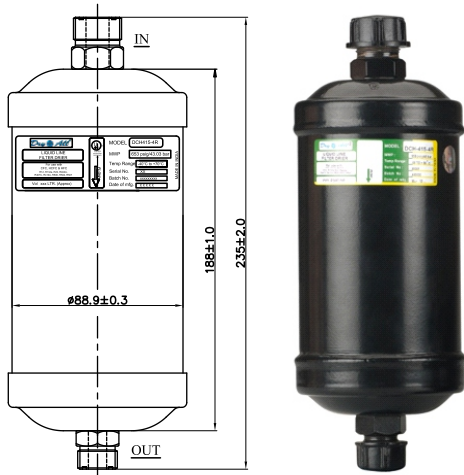
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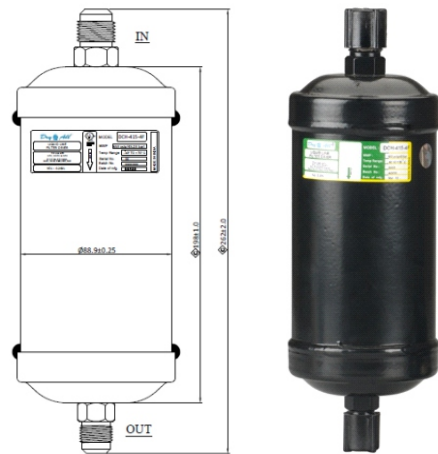
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DCH 415-4R



Drawing / Photo No.: 16

DCH 415-4F



Drawing / Photo No.: 17

Models Available with Connection (Types & Sizes)

S/N	Model No.	Connection		Diameter		Body Length		Overall Length		Construction Material	Drawing/Photo No.
		In	Out	mm	Inches	mm	Inches	mm	Inches		
1	DCH 083 F	3/8" SAE Flare	3/8" SAE Flare	63.5	2.5	99	3.90	153	6.02	Mild Steel	1
2	DCHLD 162 R	1/4" ORFS	1/4" ORFS	76.2	3.0	110	4.33	148	5.83	Mild Steel	2
3	DCHLD 163 R	3/8" ORFS	3/8" ORFS	114.3	4.5	165	6.50	222	8.74	Mild Steel	3
4	DCHLD 163 RL	3/8" ORFS	3/8" ORFS	76.2	3.0	113	4.45	177	6.97	Mild Steel	4
5	DCH 163 F	3/8" SAE Flare	3/8" SAE Flare	63.5	2.5	122	4.80	176	6.93	Mild Steel	5
6	DCH 164 F	1/2" SAE Flare	1/2" SAE Flare	63.5	2.5	122	4.80	182	7.17	Mild Steel	6
7	DCHLD 164 ORF	1/2" ORF	1/2" ORF	76.2	3.0	110	4.33	176	6.93	Mild Steel	7
8	DCH 303 R	3/8" ORFS	3/8" ORFS	76.2	3.0	190	7.48	228	8.98	Mild Steel	8
9	DCH 303 F	3/8" SAE Flare	3/8" SAE Flare	76.2	3.0	190	7.48	244	9.61	Mild Steel	9
10	DCH 304 F	1/2" Flare	1/2" Flare	76.2	3.0	190	7.48	250	9.84	Mild Steel	10
11	DCH 304 R	1/2" ORFS	1/2" ORFS	76.2	3.0	190	7.48	230	9.06	Mild Steel	11
12	DCH 305 R	5/8" ORFS	5/8" ORFS	76.2	3.0	190	7.48	244	9.61	Mild Steel	12
13	DCH 305 F	5/8" Flare	5/8" Flare	76.2	3.0	190	7.48	258	10.16	Mild Steel	13
14	DCH 414 F	1/2" SAE Flare	1/2" SAE Flare	88.9	3.5	198	7.80	258	10.16	Mild Steel	14
15	DCH-414 ORF	1/2" ORF	1/2" ORF	88.9	3.5	188	7.40	254	10.00	Mild Steel	15
16	DCH 415-4 R	5/8" ORFS	1/2" ORFS	88.9	3.5	184	7.24	235	9.25	Mild Steel	16
17	DCH 415-4 F	5/8" SAE Flare	1/2" SAE Flare	88.9	3.5	198	7.80	262	10.31	Mild Steel	17

Connection Nomenclature

F	Flare Connection
S	Solder Connection
R	Rotolock Connection
ORN	O' Ring
RL	Rotolock 'L' Type
ORF	O' Ring Connection with Face Sealing

Selection of Model based on Cross Reference Chart

S/N	MAKE	MODEL / PART NO OF MANUFACTURER	MODEL NO. WHEN IN PACK OF 10 OR 20	CONNECTION SIZE	OLD / ALTERNATE MODEL NO IF ANY	COMPETITOR MODEL NO	DRY ALL MODEL NO	PKG. QTY.
1	Thermoking	66-8718		3/8" x 3/8" ORFS		DCL 163 FS	DCHLD 163 R	20
2		61-800	68-800	3/8" x 3/8" ORFS		-	DCHLD 163 RL	
3		61-600	68-600	5/8" x 1/2" ORFS		DCL 413-4 FS	DCH 415-4 R	10
4		66-4729	67-4729	1/2" x 1/2" Flare		DCL 414 F	DCH 414 F	
5		66-4900	67-4900	5/8" x 1/2" Flare		DCL 415-4 F	DCH 415-4 Flare	
6		66-9352		5/8" x 5/8" ORFS		DCH 305 FS	DCH 305 R	
7	Carrier	14-0020900		1/2" x 1/2" ORF		-	DCH-414 ORF	10
8		14-00311-2SV		1/2" x 1/2" ORF		-	DCHLD 164 ORF	
		14-50311-2SV				-		
9		14-00326-03 / 14-00326-00		3/8" x 3/8" ORFS	14-60018-03	DCL 303 FS	DCH 303 R	
10		14-00326-04 / 14-00326-01		3/8" x 3/8" ORFS	14-60018-04	DCL 163 FS	DCHLD 163 R	20
11		14-00326-05 / 14-00326-02		1/2" x 1/2" ORFS	14-60018-05	DCL 304 FS	DCH 304 R	10
12		14-00326-06		1/4" x 1/4" ORFS	14-60018-06	DCL 162 FS	DCHLD 162 R	30
13		14-00326-07		3/8" x 3/8" Flare	14-01115-00	DCL 303 F	DCH 303 F	10
14		14-00326-08		3/8" x 3/8" Flare	14-01116-00	DCL 163 F	DCH 163 F	30
15		14-00326-09		1/2" x 1/2" Flare	140234	DCL 164 F	DCH 164 F	
16		14-00326-10		3/8" x 3/8" Flare	140041	DCL 083 F	DCH 083 F	
17	14-00326-11		1/2" X 1/2" Flare	140267	DCL 304 F	DCH 304 F	10	
18	14-00326-12		5/8" X 5/8" Flare	14-60066-00	DCL 305 F	DCH 305 F		

In conclusion, our Dry All Filter Driers for Bus Air Conditioning and Truck Refrigeration Systems offer unmatched advantages, ensuring efficient and reliable climate control, and providing comprehensive protection for critical system.

components. With their wide-ranging applications, they are the go-to choice for businesses and operators seeking top-tier performance and long-lasting solutions for their commercial vehicles.

Manufactured by:



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